

Title (en)

Heat transfer plate for a plate-and-shell heat exchanger

Title (de)

Wärmeübertragungsplatte für einen Platten-Kapsel-Wärmetauscher

Title (fr)

Plaque d'échangeur thermique pour échangeur thermique de type plaque et enveloppe

Publication

EP 2527775 A1 20121128 (EN)

Application

EP 11167448 A 20110525

Priority

EP 11167448 A 20110525

Abstract (en)

A heat transfer plate configured to be arranged in a plate-and-shell type plate heat exchanger. The heat transfer plate comprises an inlet port (7) and an outlet port (8). The inlet port (7) has a first inlet section (71) that faces the outlet port (8) and comprises a first fluid blocker (74), for distribution of at least a part of a flow of fluid (F11) over a second inlet section (72) of the inlet port (7). The outlet port (8) has a first outlet section (81) that faces the inlet port (7) and comprises a second fluid blocker (84), for distribution of at least a part of the flow of fluid (F11) over a second outlet section (82) of the outlet port (8). Corrugations (9) are arranged intermediate the inlet port (7) and the outlet port (8).

IPC 8 full level

F28D 9/00 (2006.01)

CPC (source: EP US)

F28D 9/0006 (2013.01 - EP US); **F28D 9/0012** (2013.01 - EP US); **F28D 9/0062** (2013.01 - EP US); **F28F 3/08** (2013.01 - US)

Citation (applicant)

- US 6474408 B1 20021105 - YEH EDWARD YUHUNG [US], et al
- US 7004237 B2 20060228 - MATHUR ACHINT P [US], et al

Citation (search report)

- [XY] WO 2010103190 A2 20100916 - KONTU MAURI [FI]
- [Y] DE 3824073 A1 19900208 - LAENGERER & REICH KUEHLER [DE]
- [Y] WO 03006911 A1 20030123 - ALFA LAVAL CORP AB [SE], et al
- [A] EP 0622600 A1 19941102 - KNECHT FILTERWERKE GMBH [DE]
- [A] US 4708199 A 19871124 - YOGO TAKEJI [JP], et al

Cited by

EP2988085A1; WO2016026958A1; EP2944912A1; CN103822092A; CN102980426A; CN103196315A; CN104296585A; EP3489607A1; JP2017516060A; WO2015172927A1; US11035617B2; US10234212B2; US10156401B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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